

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002494

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04B 7/26**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26 , H04B 7/12 , H04B 7/204 , H04B 7/155

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR , JP as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 13-024618 A2 (MATSUSHITA ELECTRIC INDUSTRIAL CO. , LTD.) 26 JAN 2001 (26.01.2001) see the detailed description and fig.4 - 10	1 , 2 3 - 25
Y A	WO 99/44316 (SONY CORPORATION) 02 SEP 1999 (02.09.1999) see the claims	1 , 2 3 - 25
Y A	KR 10-1998-033158 A (NOKIA MOBILE PHONES LTD.) 25 JUL 1998 (25.07.1998) see detailed description and fig. 2 - 12	1 , 2 3 - 25
A	WO 02/87113 (MATSUSHITA ELECTRIC INDUSTRIAL CO. , LTD.) 31 OCT 2002 (31.10.2002) see the whole document	1 - 25
A	KR 10-2001-0064225 A (KILLOK OH) 09 JUL 2001 (09.07.2001) see the whole document	1 - 25


☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:
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"&" document member of the same patent family

Date of the actual completion of the international search
21 JUNE 2004 (21.06.2004)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 13-024618 A2	26.01.2001	EP 1065804 A2 KR 10-2001-15127 A	03.01.2001 26.02.2001
WO 99/44316	02.09.1999	EP 0986196 A1 CN 1266565T KR 10-2001-12112 A	02.09.1999 26.02.1999 15.02.2001
KR 10-1998-033158 A	25.07.1998	NONE	
WO 02/87113	31.10.2002	KR 10-2003-11904 A	11.02.2003
KR 10-2001-0064225 A	09.07.2001	NONE	